

Weights and Measures
Contents in Cubic Feet and U.S. Gallons of Pipes and Cylinders
One Foot in Length

Diam. In Inches	For 1 Foot in Length		Diam. In Inches	For 1 Foot in Length		Diam. In Inches	For 1 Foot in Length	
	Cubic Feet	U.S. Gallons		Cubic Feet	U.S. Gallons		Cubic Feet	U.S. Gallons
1/4	0.0003	0.0025	6 3/4	0.2485	1.859	19	1.969	14.73
5/16	0.0005	0.0040	7	0.2673	1.999	19½	2.074	15.51
–	0.0008	0.0057	7¼	0.2867	2.145	20	2.182	16.32
7/16	0.0010	0.0078	7½	0.3068	2.295	20½	2.292	17.15
½	0.0014	0.0102	7¾	0.3276	2.450	21	2.405	17.99
9/16	0.0017	0.0129	8	0.3491	2.611	21½	2.521	18.86
–	0.0021	0.0159	8¼	0.3712	2.777	22	2.640	19.75
11/16	0.0026	0.0193	8½	0.3941	2.948	22½	2.761	20.66
¾	0.0031	0.0230	8¾	0.4176	3.125	23	2.885	21.58
13/16	0.0036	0.0269	9	0.4418	3.305	23½	3.012	22.53
–	0.0042	0.0312	9¼	0.4667	3.491	24	3.142	23.50
15/16	0.0048	0.0359	9½	0.4922	3.682	25	3.409	25.50
1	0.0055	0.0408	9¾	0.5185	3.879	26	3.687	27.58
1¼	0.0085	0.0638	10	0.5454	4.080	27	3.976	29.74
1½	0.0123	0.0918	10¼	0.5730	4.286	28	4.276	31.99
1¾	0.0167	0.1249	10½	0.6013	4.498	29	4.587	34.31
2	0.0218	0.1632	10¾	0.6303	4.715	30	4.909	36.72
2¼	0.0276	0.2066	11	0.6600	4.937	31	5.241	39.21
2½	0.0341	0.2550	11¼	0.6903	5.164	32	5.585	41.78
2¾	0.0412	0.3085	11½	0.7213	5.396	33	5.940	44.43
3	0.0491	0.3672	11¾	0.7530	5.633	34	6.305	47.16
3¼	0.0576	0.4309	12	0.7854	5.875	35	6.681	49.98
3½	0.0668	0.4998	12½	0.8522	6.375	36	7.069	52.88
3¾	0.0767	0.5738	13	0.9218	6.895	37	7.467	55.86
4	0.0873	0.6528	13½	0.9940	7.436	38	7.876	58.92

4¼	0.0985	0.7369	14	1.069	7.997	39	8.296	62.06
4½	0.1104	0.8263	14½	1.147	8.578	40	8.727	65.28
4¾	0.1231	0.9206	15	1.227	9.180	41	9.168	68.58
5	0.1364	1.020	15½	1.310	9.801	42	9.621	71.97
5¼	0.1503	1.125	16	1.396	10.44	43	10.085	75.44
5½	0.1650	1.234	16½	1.485	11.11	44	10.559	78.99
5¾	0.1803	1.349	17	1.576	11.79	45	11.045	82.62
6	0.1963	1.469	17½	1.670	12.49	46	11.41	86.33
6¼	0.2131	1.594	18	1.767	13.22	47	12.048	90.13
6½	0.2304	1.724	18½	1.867	13.96	48	12.566	94.00

One cubic foot of water at 39.1°F, 62.4245 pounds.

One cubic foot of air at 32°F., atmospheric pressure, weighs 0.08073 pound.

One pound of water at 39.1°F. has a volume of 0.01602 cubic foot.

One pound of air at 32°F., atmospheric pressure, has a volume of 12.387 cubic feet.

One gallon of water at 62°F weighs 8.336 pounds

One pound of water at 62°F has a volume of 0.1199 U.S. gallon.